

**Thayer School of Engineering and  
Dartmouth Medical School  
Host and Cosponsor**

**Medical Disaster Conference  
Biological Response Resources and  
Logistics**

**U.S. Army  
Soldier and Biological Chemical Command  
Cosponsor**

# ***WELCOME***



# **WORKSHOP GOALS**

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- 1. Develop a resource and logistic strategy to respond to different scales of biological incidents**
- 2. Develop a command and control strategy to implement the response**
- 3. Conceptualize a future biological response system employing distributed command and control, tele-medicine and robotics.**

# **WORKSHOP APPROACH**

**Response Groups develop near-term  
resource, logistic & C&C strategy**



**Scenarios**



**Technology Group conceptualize future  
biological response system**

# ***WHAT IS THE SITUATION?***

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- Integrated response strategies are defined – e.g. BW Response Template
- Resource requirements can be estimated
- Sources, integration, transportation, control of resources *not defined*
- Future response concepts *unknown*

# ***IMPACT OF SITUATION***

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- Hospitals accept increasing ill, go on emergency operations
- Hospitals fill up, lock down, ill and worried-well back up
- Hospitals become non-functional from staff burn out
- Confusion leads to resources not effectively utilized

# **WORKSHOP CHALLENGE**

- Requisite brainpower is here!
- Need focus to achieve results.

# **HOW TO FOCUS?**

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## **Begin with**

Scenario & casualties

Response strategy

Resource requirements

Available resource estimates

**Forward Pass**



## **Develop**

Resource & logistics,  
C&C strategy

## **End with improved**

Response strategy

Resource requirements

Resource & logistics,

C&C strategy

**Backward Pass**





# AGENDA

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## June 14

- 8:00 am Registration - Thayer School of Engineering
- 8:30 am Welcome, Introductions, Goals and Process
- 9:00 am Terrorist Threat Review
- 9:30 am Workshop Scenario & Initial Response
- 10:15 am Response Resource Model
- 10:30 am Estimate of Available Resources
- 10:45 am Break-Out Group Assignments and Discussion
- 11:30 am Lunch - on your own
- 12:30 pm Robot Demonstration, Thayer School of Engineering
- 1:30 pm Response Groups: Identify local, regional, State and Federal resources and determine best utilization, Thayer School  
Technology Groups: Focus on providing response resources remotely, Medical School
- 4:00 pm Groups Present Findings: Wrap-Up Comments
- 5:00 pm Dinner - on your own
- 7:00 Panel Discussion on New Technologies, Thayer School, Room 100

# **AGENDA (CONT.)**

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## June 15

8:00 am Group Assignments and Discussion - Thayer & Med Schools

8:30 am Response Groups: Identify timing, transportation, receiving, assignment and utilization of resources and C&C strategy

Technology Group: Focus on distributed C&C system and simulator and conceptualize a future BW response system

10:30 am Groups Summarize Findings

11:30 am Lunch - on your own

12:30 pm Simulation demonstration, Thayer & Medical Schools

1:30 pm All Groups: Work back through strategy & improve

3:00 pm Final Group Presentations and Discussion

4:00 pm Workshop Evaluations and Adjourn